

FREE DOWNLOAD

CAD GLOBAL.EU



# New Features in progeCAD 2D/3D Professional 2026

The best AutoCAD alternative just got better! 🚀

- ✓ Up to 2x faster drawing updates & 10x faster 3D solid modeling
- ✓ Smart Quick Calculator
- ✓ Raster-to-vector AI tools
- ✓ Real-world Geolocation
- ✓ Upgraded AEC Tools for architecture & engineering
- ✓ Better LISP & ARX support

# New Features in progeCAD 2026

Check our Video Tutorial [right here](#).



New Features and Performance Testing. *progeCAD 2026 Tutorial* by [CADglobal](#)

*If you enjoy this ebook and find it helpful, please share it with your network and give CADglobal AI Academy a shout-out!*

 [LinkedIn](#)


 [Facebook](#)

 [WhatsApp](#)

# Disclaimer

This ebook has been written for information purposes only. Every effort has been made to make this ebook as complete and accurate as possible. However, there may be mistakes in typography or content. Also, this ebook provides information only up to the publishing date and should be used as a guide - not as the ultimate source.

The purpose of this ebook is to educate. The author and the publisher do not warrant that the information contained in this ebook is fully complete and shall not be responsible for any errors or omissions. The author and publisher shall have neither liability nor responsibility to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by this ebook.

<b>New Features in progeCAD 2026</b>	<b>2</b>
Introduction	6
Welcome to progeCAD 2026	6
About This Training Guide	6
What's New in 2026	6
<b>Chapter 1: Performance Improvements</b>	<b>7</b>
1.1 Speed and Loading Performance Tests	7
Large File Handling	7
Graphics View Optimization	7
1.2 Side-by-Side Comparison: 2025 vs 2026	9
Testing Methodology	10
Results Summary	10
1.3 Large File Handling Improvements	10
Enhanced Memory Management	10
Pan Command Fixes	10
<b>Chapter 2: Enhanced User Interface Features</b>	<b>12</b>
2.1 Built-in Calculator Tool	13
Overview	13
Accessing the Calculator	13
Using the Calculator	13
Supported Operations	13
Benefits	14
2.2 Improved Hatching Performance	14
Performance Comparison	14
Improvements in 2026	14
Testing Results	14
2.3 Navigation and Pan Command Fixes	16
Pan Command Issues Resolved	16
Improvements Include:	16
Impact on Workflow	16
2.4 What progeCAD  offers as the most affordable AutoCAD alternative:	17
<b>Chapter 3: Advanced Image Processing</b>	<b>18</b>
3.1 Image Manipulation Tools	18
New Image Features Overview	18
Image Mirroring and Correction	18
Practical Applications	18
3.2 Text Recognition from Images	18
Optical Character Recognition (OCR)	18
Using Text Recognition	18
Recognition Accuracy	19
Formatting Preservation	19
3.3 Vector Merge and Conversion Features	19
Merge Vector Command	19
Merge Process	19

Optimal Use Cases	20
Workflow Integration	20
3.4 Image Inversion and Enhancement	20
Image Inversion Tool	20
Common Application	20
Using Image Inversion	20
Vectorization Capabilities	21
<b>Chapter 4: Location and Mapping Features</b>	<b>22</b>
4.1 Set Location Functionality	23
Geographic Integration	23
Accessing Location Features	23
Adding Locations to Projects	23
Map Data Quality	23
4.2 Aerial and Road Map Integration	24
Multiple Map Views	24
Switching Between Map Types	24
Interactive Map Features	24
4.3 Area Capture and Selection	24
Selective Geographic Data	24
Area Selection Process	24
Benefits of Area Selection	25
Integration with CAD Workflow	25
<b>Chapter 5: AEC 3D Architecture Enhancements</b>	<b>26</b>
5.1 Advanced Wall Creation	27
AEC 3D Architecture Overview	27
Wall Creation Workflow	27
Wall Properties and Customization	27
5.2 Corner Window Features	27
Industry-Standard Corner Windows	27
Creating Corner Windows	28
Corner Window Properties	28
Architectural Applications	28
5.3 Roof Design and Gable Conversion Tools	28
Enhanced Roof Creation	29
Gable Conversion Feature	29
Wall Integration with Roofs	29
Complex Roof Geometries	29
Workflow Efficiency	29
Conclusion	32
Performance Achievement Summary	32
Feature Innovation Highlights	32
Are these all New Features and Improvements?	32
Additional Features Not Covered in Tutorial:	33

progeCAD Industry Impact	33
Upgrade Recommendations	34
6. progeCAD Course: 2D and 3D Drawing Without Limits	35
6.1 Get CADglobal Certificate and become CAD Specialist	36
📁 Module 1 – Getting Started with progeCAD	36
🖋️ Module 2 – Basic Drawing	37
🚀 Module 3 – Advanced Commands	37
🧠 Module 4 – Workflow and References	38

## Introduction

### Welcome to progeCAD 2026

progeCAD 2026 introduces numerous upgrades and improvements, with particular focus on speed optimization and loading performance enhancements. This version addresses many performance bottlenecks that existed in previous versions, especially when working with large and complex files. This 🙌 Free progeCAD 2026 Tutorial covers the most requested and impactful features. For developer-level features, see Appendix or full changelog.

### About This Training Guide

This comprehensive training guide covers the most important new features and improvements in progeCAD 2026. Each section provides detailed explanations of functionality, practical applications, and step-by-step instructions for implementing the new tools in your workflow.

### What's New in 2026

progeCAD 2026 introduces significant performance improvements, enhanced image processing capabilities, advanced calculation tools, and expanded AEC 3D architecture features. The focus of this release is on speed optimization, stability improvements, and expanding user workflow capabilities.

---

# Chapter 1: Performance Improvements



## 1.1 Speed and Loading Performance Tests

### Large File Handling

progeCAD 2026 demonstrates substantial improvements when working with large, complex files. Testing was conducted using architectural models containing extensive 3D geometry and detailed elements that typically cause performance issues in CAD software.

#### progeCAD 2025 Performance:

- Very large files experience sometimes loading delays
- Navigation becomes less responsive with very complex 3D models
- Occasional stuttering and lag during viewport manipulation
- Some files become slightly less usable, requiring task manager intervention

#### progeCAD 2026 Performance:

- Faster initial file loading times
- Improved responsiveness during navigation
- Reduced stuttering when moving through complex models
- Previously unusable files now become workable



### Graphics View Optimization

The 2026 version includes optimized graphics rendering that provides smoother performance across different view modes:


- **Conceptual View:** Improved handling of complex geometry
- **Wireframe Mode:** Enhanced performance for navigation
- **Realistic Mode:** Better memory management for detailed models

**Recommendation:** For very large files, switch to wireframe mode during editing and navigation, then return to conceptual or realistic view for final review.

## 1.2 Side-by-Side Comparison: 2025 vs 2026






SAVE





REPOST

⚡ **Optimized Performance:**

- **2x faster** drawing updates
- **10x faster** 3D modeling
- smooth navigation



[www.cadglobal.eu](http://www.cadglobal.eu)



## Testing Methodology

Performance comparisons were conducted using identical hardware and identical file sets to ensure accurate results. Tests included both large architectural models and standard 2D blueprints.

### Test Setup:

- Identical architectural models opened simultaneously
- Same hardware configuration for both versions
- Standardized file sizes and complexity levels

## Results Summary

### Large Architectural Models:

- progeCAD 2026 consistently opened files faster than 2025
- Navigation responsiveness improved significantly in 2026
- 2025 showed more lag during viewport manipulation
- 2026 maintained better performance under heavy computational loads

### Standard 2D Blueprints:

- Loading times nearly identical between versions
- Both versions handle 2D content efficiently
- No significant performance differences for simple drawings

**Optimization Focus:** The performance improvements in 2026 are most noticeable with 3D modeling and complex geometry, showing approximately 10x improvement in 3D operations and roughly 2x improvement in general performance.

## 1.3 Large File Handling Improvements

### Enhanced Memory Management

progeCAD 2026 includes improved memory management algorithms that better handle large datasets and complex geometry. This results in:

- More stable performance with memory-intensive files
- Reduced system crashes during heavy operations
- Better resource allocation for concurrent processes

### Pan Command Fixes

A specific issue with the pan command in progeCAD 2025 has been resolved in the 2026 version. Users will notice:

- Smoother panning operations

- Eliminated lag during viewport navigation
- More responsive cursor movement during pan operations


	 progeCAD perpetual license	 AutoCAD LT 1 year subscription	 AutoCAD 1 year subscription
Perpetual License	✓	✗	✗
Country	Made in EU	Made in US	Made in US
Trial Period	30 days	15 days	15 days
Price for 5 years	390,00 €	9.950,00 €	2.445,00 €
Import BIM IFC & Revit	✓	✗	✗
Native DWG/DXF	✓	✓	✓
Express Tools	✓	✓	✗
AutoLISP	✓	✓	✓
Hatch editing	✓	✓	✓
3D Print	✓	✓	✗
Rendering	✓	✓	✗
PDF to DWG	✓	✓	✓
Block Libraries	✓	✓	✗


# Chapter 2: Enhanced User Interface Features

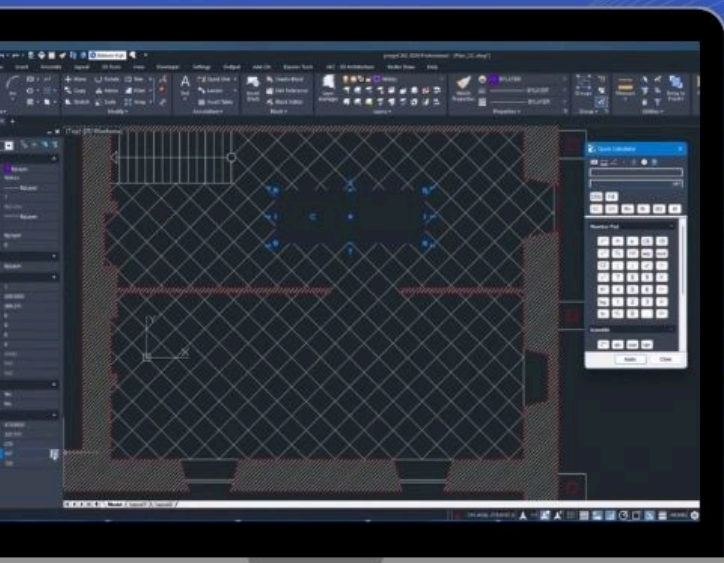
The image is a promotional graphic for a software feature. It features a dark blue background with white text and icons. At the top left is the 'CAD GLOBAL.EU' logo. At the top right are 'SAVE' and 'REPOST' icons. The main text reads 'Quick Calculator: Smart built-in calculator for easy property control.' To the right of this text is a white calculator icon. Below the text is a laptop displaying a CAD software interface with a grid and a floating calculator window. At the bottom, there is a globe icon, the website 'www.cadglobal.eu', a blue checkmark icon, and an orange arrow icon.




CAD GLOBAL.EU

SAVE REPOST

 Quick Calculator:  
Smart built-in calculator for easy property control.





 [www.cadglobal.eu](http://www.cadglobal.eu)  

## 2.1 Built-in Calculator Tool

### Overview

progeCAD 2026 introduces an integrated calculator tool that works directly with numerical parameters throughout the software. This feature eliminates the need for external calculators when making dimensional adjustments or performing mathematical operations within drawings.

### Accessing the Calculator

The calculator tool appears as a small icon next to any numerical parameter field in the software. This includes:

- Object dimensions (length, width, height)
- Coordinate values
- Scale factors
- Rotation angles
- Any other numerical input fields

### Using the Calculator

#### Basic Operation:

1. Locate any numerical parameter in the properties panel
2. Click on the calculator icon next to the value
3. The calculator interface opens with the current value displayed
4. Perform desired mathematical operations
5. Click "Apply" to implement the result

**Practical Example:** If you have a rectangle with a length of 3,000 units:

1. Click the calculator icon next to the length value
2. The calculator opens showing "3000"
3. Add "\*2" to multiply by two
4. Click "Apply"
5. The rectangle length updates to 6,000 units

### Supported Operations

The calculator supports standard mathematical operations:

- Addition (+)
- Subtraction (-)
- Multiplication (\*)
- Division (/)
- Parentheses for operation order

- Decimal values

## Benefits

This integrated calculator is particularly valuable for:

- Making quick dimensional adjustments
- Calculating proportional scaling
- Converting between units
- Correcting measurement errors
- Performing on-the-fly mathematical corrections

## 2.2 Improved Hatching Performance

### Performance Comparison

progeCAD 2025 experienced noticeable lag when creating and manipulating hatch patterns, particularly with complex or high-density patterns. The 2026 version addresses these performance issues. You can test by opening a new file, for bugs and access online support, or you can contact us at [CADglobal](#) if you need any help.

### Improvements in 2026

#### Hatch Creation:

- Near-instantaneous hatch generation
- Eliminated delays with complex patterns
- Improved responsiveness during pattern application

#### Hatch Editing:

- Reduced lag when moving hatched objects
- Better performance during viewport navigation with hatches visible
- Smoother zooming and panning operations

### Testing Results

Performance testing with identical hatch patterns shows:

#### progeCAD 2025:

- Average lag during hatch creation
- Slight delay when navigating drawings with complex hatches
- Performance degradation with very high-resolution patterns

#### progeCAD 2026:

- Immediate hatch creation response

- Minimal lag during navigation
- Maintained performance regardless of hatch complexity

## progeCAD 2026 Supported Formats - All-in-one alternative to AutoCAD



## 2.3 Navigation and Pan Command Fixes

### Pan Command Issues Resolved

The pan command in progeCAD 2025 occasionally experienced lag and responsiveness issues, when working with very complex drawings or large files. These issues have been specifically addressed in the 2026 release.

### Improvements Include:

- **Smoother Pan Operations:** Eliminated stuttering during viewport movement
- **Better Response Time:** Reduced delay between mouse input and viewport response
- **Consistent Performance:** Maintained smooth operation regardless of drawing complexity

### Impact on Workflow

These navigation improvements significantly enhance daily workflow efficiency by:

- Reducing time spent waiting for viewport updates
- Providing more intuitive drawing navigation
- Eliminating frustration with unresponsive controls
- Improving overall user experience during extended design sessions



## 2.4 What progeCAD offers as the most affordable AutoCAD alternative:

- Full compatibility with Autodesk® DWG from 2.5 to the latest and import of IFC format and Autodesk Revit format.
- Classic interface and RIBBON almost identical to AutoCAD, improved toolbars for faster and more pleasant work.
- Super fast and stable platform and improved opening, Regen and working with Layouts.
- A new Start screen from which you will be able to view, open and combine your CAD documents more quickly.
- The new improved PDF to DWG converter makes work immeasurably easier and faster.
- iCADLib block management tool - thanks to its redesign and improved performance, iCADLib is an indispensable block management tool. The new version contains more than 22,000 2D and 3D blocks (constructional, architectural, mechanical ANSI-ISO and DIN-ISO, electrical ANSI and IEC, steel profiles, furniture...)
- Traceparts, Cadenas and BIM&CO for progeCAD - via the iCADLib manager, it is possible to directly access the internet block database containing over 100,000,000 2D and 3D different blocks.
- New ODA Geometry library - advanced support for Spline, boundary recognition and improved Trim, Chamfer, Fillet, Hatch.
- Import SolidWorks (.sldpart i .sdlasm)
- All new 3DConnexion mouse are supported.
- Customization - All toolbars for blocks, hatches and frequently used commands can be arranged according to your preferences. AutoLISP, DIESEL, SDS, IRX, COM automation, progeCAD Professional supports programming languages: LISP, IRX (C++ similar to ARX), SDS (C++ ADS compatibility), VBA and COM automation. .NET support for .NET-based software and progeCAD drawings.
- 3D PDF Export and 3D Print STL - send your models to a 3D printer using progeCAD.
- Surveying, GIS and Civil tools (ECW, MrSID, Jpeg 2000, ESRI-SHAPE, AUTOSEZ, SLOPE)
- Very intuitive image insertion and editing using a powerful plug-in.
- Advanced rendering - ARTISAN
- Export and rendering with GoogleEARTH®.
- progeCAD Cloud - save and access your documents using progeCAD Cloud. progeCAD also supports services for synchronization and Cloud work, such as Dropbox, Google Drive and Microsoft One Drive (ReCap® .rcp, .rcs, .pcg, .isd, .xyz, .ply, .las, .laz)
- ACIS SOLID, DYNAMIC INPUT, EXPRESS TOOLS, RASTER total control, DYNAMIC UCS, MULTILINE, MULTILEADERS, numbered markers, SPLINE editing, MULTIGRIP; LOFT, FLATSHOT and HELIX function.
- Pantone® and RAL™ industry standardized colors.
- 4K monitors supported.

# Chapter 3: Advanced Image Processing

## 3.1 Image Manipulation Tools

### New Image Features Overview

progeCAD 2026 introduces comprehensive image processing capabilities that expand the software's ability to work with imported images, photographs, and raster graphics. These tools are particularly valuable for architects and designers who work with site photos, existing drawings, or reference materials.

### Image Mirroring and Correction

#### Mirror Image Tool:

- Access: Right-click on any inserted image
- Options: Mirror top to bottom, left to right
- Use Case: Correcting orientation errors in imported images
- Application: Fixing photographs taken from incorrect angles

#### Image Correction Workflow:

1. Insert image into drawing
2. Right-click on image to access context menu
3. Select desired mirroring option
4. Image updates immediately with new orientation

### Practical Applications

These image manipulation tools are particularly useful for:

- Correcting scanned drawings with orientation issues
- Adjusting site photographs for proper alignment
- Fixing images received from external sources
- Preparing reference materials for accurate overlay work

## 3.2 Text Recognition from Images

### Optical Character Recognition (OCR)

progeCAD 2026 includes built-in text recognition capability that can extract text from images and convert it into editable CAD text objects. This feature uses advanced OCR technology to identify and process text within imported images.

### Using Text Recognition

### **Process Steps:**

1. Insert an image containing text into your drawing
2. Select the image
3. Use the selection tool to define the area containing text
4. Activate the "Recognize Text" command
5. progeCAD processes the selected area and extracts text
6. Converted text appears as editable text objects with matching formatting

### **Recognition Accuracy**

#### **Optimal Conditions:**

- High-resolution images provide better results
- Clear, high-contrast text works best
- Standard fonts are recognized more accurately
- Clean backgrounds improve recognition success

#### **Limitations:**

- Low-quality or blurry images may not process accurately
- Handwritten text recognition is limited
- Complex backgrounds can interfere with text detection
- Very small text may not be recognized reliably

### **Formatting Preservation**

The text recognition system attempts to maintain:

- Original text height and proportions
- Font characteristics where possible
- Text positioning relative to the image
- Basic formatting elements

## **3.3 Vector Merge and Conversion Features**

### **Merge Vector Command**

This powerful new feature allows you to combine vector objects (lines, rectangles, text, hatches) with existing images, creating hybrid image-vector objects that can be manipulated as single entities.

### **Merge Process**

#### **Step-by-Step Procedure:**

1. Place or draw vector objects (rectangles, lines, text) over an image

2. Select both the vector objects and the target image
3. Access the "Merge Vector" command
4. Choose whether to delete original vector entities after merge
5. The selected vectors become part of the image object

## Optimal Use Cases

### Best Results With:

- Simple geometric shapes (lines, rectangles, circles)
- Basic hatch patterns
- Clean, well-defined vector elements

### Less Effective With:

- Complex text objects (though functional)
- Highly detailed vector graphics
- Objects with transparency effects

## Workflow Integration

This feature is valuable for:

- Adding annotations directly to reference images
- Creating composite drawings with photographic backgrounds
- Integrating vector overlays with site photographs
- Preparing presentation materials with mixed content

## 3.4 Image Inversion and Enhancement

### Image Inversion Tool

The image inversion feature addresses a common workflow issue where imported images have inverted color schemes compared to standard CAD conventions.

### Common Application

**Problem:** Many images received from architects and designers use white backgrounds with black linework, while CAD standards often prefer black backgrounds with white linework.

**Solution:** The invert function instantly reverses the color scheme to match your preferred working style.

### Using Image Inversion

#### Simple Process:

1. Select the target image
2. Click the "Invert" button in the image toolbar
3. Image colors reverse immediately
4. Use "Invert" again to return to original colors

## Vectorization Capabilities

**Vectorize Image Feature:** progeCAD 2026 can convert raster images into editable vector objects, particularly effective with:

- Line drawings
- Architectural plans
- Technical diagrams
- Simple geometric patterns

### Vectorization Process:

1. Select the source image
2. Define the area to be vectorized using a selection box
3. Access the "Vectorize Image" command
4. Adjust recognition settings as needed
5. Click "OK" to process
6. Image elements convert to editable polylines and objects

### Recognition Capabilities:

- Automatically identifies lines and creates polylines
- Recognizes basic geometric shapes
- Converts continuous linework into editable vectors
- Maintains spatial relationships between elements

**Post-Processing:** Once vectorized, the resulting objects can be:

- Edited using standard CAD tools
  - Modified with trim, extend, and other commands
  - Organized into appropriate layers
  - Used as the basis for new drawings
-

# Chapter 4: Location and Mapping Features

The image shows a dark-themed software interface. At the top left is the logo 'CAD GLOBAL.EU'. To its right are 'SAVE' and 'REPOST' buttons. The main heading is 'Geolocation:' with a globe icon, followed by the text 'Add real-world locations by address.' A large white location pin icon is on the right. Below this is a screenshot of a web browser showing a satellite map of a city. At the bottom, there is a globe icon, the URL 'www.cadglobal.eu', a blue checkmark icon, and an orange arrow icon.

## 4.1 Set Location Functionality

### Geographic Integration

progeCAD 2026 introduces comprehensive location-based features that allow users to integrate real-world geographic data directly into their projects. This functionality is particularly valuable for site planning, urban design, and architectural projects that require accurate geographic context. You can start a new drawing, explore recent projects, and access online support, or you can contact us at [CADglobal](#) if you need any help.

### Accessing Location Features

**Navigation Path:** Insert Tab → Set Location

This opens the location interface where you can search for and import geographic data for any location worldwide.

### Adding Locations to Projects

#### Search Process:

1. Open the Set Location dialog
2. Enter an address, city name, or coordinates
3. Select from search results
4. Choose the desired map area
5. Insert the location data into your drawing

#### Example Workflow:

- Search Term: "Zagreb, Croatia"
- Result: Detailed city map with street layout
- Insertion: High-resolution geographic data placed in drawing space

### Map Data Quality

#### Features Include:

- High-detail satellite imagery
- Street layouts and infrastructure
- Building footprints where available
- Topographic information
- Current, up-to-date map data

#### Performance Considerations:

- High-detail maps may cause system lag
- Consider capturing smaller areas for better performance
- Use area selection tools to limit data to project requirements

## 4.2 Aerial and Road Map Integration

### Multiple Map Views

progeCAD 2026 provides several map visualization options to suit different project requirements:

#### Available Map Types:

- **Aerial View:** Satellite imagery showing actual site conditions
- **Road Map:** Street layouts with labels and infrastructure
- **Hybrid View:** Combination of aerial imagery with road overlays

### Switching Between Map Types

Users can easily change map display modes using the toolbar options:

- Select inserted map data
- Choose desired view type from toolbar
- Map updates to show selected visualization style

### Interactive Map Features

#### Position Marking:

- Add markers to identify specific locations
- Mark important site features
- Create reference points for design work

#### Area Capture:

- Select specific regions of interest
- Isolate relevant geographic areas
- Reduce file size by limiting map data to project needs

## 4.3 Area Capture and Selection

### Selective Geographic Data

Rather than importing entire city maps, progeCAD 2026 allows precise selection of relevant geographic areas, improving both performance and project focus.

### Area Selection Process

#### Steps for Area Capture:

1. Import initial location data

2. Use selection tools to define area boundaries
3. Capture only the selected region
4. Remove unnecessary surrounding data
5. Optimize file for project-specific needs

## **Benefits of Area Selection**

### **Performance Optimization:**

- Reduced file sizes
- Faster viewport navigation
- Improved system responsiveness
- Better memory management

### **Project Focus:**

- Eliminates irrelevant geographic data
- Concentrates on project site
- Simplifies drawing complexity
- Improves visual clarity

## **Integration with CAD Workflow**

### **Practical Applications:**

- Site planning projects
- Urban design initiatives
- Landscape architecture
- Infrastructure planning
- Real estate development
- Environmental impact studies

### **Workflow Integration:**

- Use geographic data as drawing underlay
  - Create site plans based on actual conditions
  - Verify proposed designs against existing infrastructure
  - Prepare accurate location-based documentation
-

# Chapter 5: AEC 3D Architecture Enhancements

CAD GLOBAL.EU

SAVE REPOST

Improved AEC Tools:  
New windows, roofs, auto-curves & better style management.

Use this tool to create a gable and a wide range of roof types

[www.cadglobal.eu](http://www.cadglobal.eu)

## 5.1 Advanced Wall Creation

### AEC 3D Architecture Overview

The AEC (Architecture, Engineering, Construction) tools in progeCAD 2026 have received significant enhancements that streamline the building design process. These tools are designed for users who may be new to 3D architectural modeling, offering an intuitive approach to creating building elements.

### Wall Creation Workflow

#### Basic Wall Drawing:

1. Access the AEC 3D Architecture tab
2. Select the Wall tool
3. Draw wall segments by clicking points
4. Walls automatically connect at intersections
5. 3D geometry generates automatically

#### Key Features:

- **Automatic Connection:** Walls snap and connect at corners automatically
- **Instant 3D:** All 2D wall drawing appears immediately in 3D views
- **Parametric Control:** Modify height, thickness, and materials after creation

### Wall Properties and Customization

#### Standard Parameters:

- Wall height adjustments
- Thickness modifications
- Material assignments
- Layer organization
- Style management

#### Advanced Features:

- Multi-layer wall construction
- Integrated insulation systems
- Structural element integration
- Thermal performance calculations

## 5.2 Corner Window Features

### Industry-Standard Corner Windows

progeCAD 2026 introduces corner window functionality, responding to current architectural trends and industry demands for modern glazing solutions.

## Creating Corner Windows

### Requirements:

- Two adjacent walls that meet at a corner
- Walls must be properly connected
- Both walls must be selectable simultaneously

### Creation Process:

1. Access the Window tool from AEC tab
2. Select both adjacent walls forming the corner
3. Choose "Create Corner Window" option
4. Position window at desired location
5. Adjust dimensions and properties as needed

## Corner Window Properties

### Automatic Features:

- 3D representation generates instantly
- Proper corner glazing connections
- Structural integrity maintained
- Material properties applied consistently

### Editing Capabilities:

- Modify window dimensions after placement
- Adjust corner angles and proportions
- Change glazing types and materials
- Update frame specifications

## Architectural Applications

Corner windows are essential for:

- Modern residential design
- Commercial architecture
- Contemporary office buildings
- High-end architectural projects
- Maximizing natural light and views

## 5.3 Roof Design and Gable Conversion Tools

## Enhanced Roof Creation

progeCAD 2026 includes improved roof design tools that address previous limitations and add new functionality for creating complex roof geometries.

### Gable Conversion Feature

#### Convert to Gable Process:

1. Create basic roof structure using standard roof tools
2. Select specific roof points or edges
3. Apply "Convert to Gable" command
4. System removes slopes and creates vertical gable ends
5. Roof maintains proper thickness and material properties

### Wall Integration with Roofs

**Automatic Wall Adjustment:** When roof geometry changes, underlying walls can be automatically adjusted to match:

#### Wall Modification Process:

1. Select walls beneath modified roof areas
2. Use "Add Vertex" tool to create new wall points
3. Adjust wall geometry to match roof outline
4. Maintain proper wall-to-roof connections

### Complex Roof Geometries

#### Advanced Roof Creation:

- Multiple gable combinations
- Mixed roof types within single structures
- Custom slope adjustments
- Integration with dormers and other roof elements

**Design Flexibility:** The enhanced roof tools enable creation of:

- Simple gabled roofs
- Complex multi-slope configurations
- Contemporary flat roof sections
- Traditional pitched roof combinations
- Custom architectural roof designs

### Workflow Efficiency

#### Rapid Roof Design:

- Create basic roof shapes in minutes
- Convert between roof types quickly
- Modify existing roofs without reconstruction
- Integrate with wall systems seamlessly

**Professional Results:**

- Accurate 3D representation
  - Proper material thickness
  - Correct structural relationships
  - Export-ready building models
-

Want to see all the proge**CAD 2026** features in action?

Watch the full video on our YouTube channel now!



[www.cadglobal.eu](http://www.cadglobal.eu)



## Conclusion

### Performance Achievement Summary

progeCAD 2026 delivers substantial improvements across all major performance metrics:

#### File Handling:

- Significantly faster loading times for large, complex files
- Improved stability when working with heavy 3D models
- Enhanced memory management preventing system crashes
- Better resource allocation for concurrent operations

#### User Interface Responsiveness:

- Eliminated lag in pan and navigation commands
- Smoother hatching operations with immediate response
- Improved viewport manipulation across all view modes
- More responsive tool activation and parameter adjustment

### Feature Innovation Highlights

**Integrated Calculation Tools:** The built-in calculator represents a significant workflow improvement, eliminating the need for external calculation tools and enabling immediate mathematical operations within any numerical parameter field.

#### Advanced Image Processing:

- Text recognition from images opens new possibilities for working with legacy drawings
- Vector merge capabilities create hybrid image-vector objects
- Image vectorization converts raster content to editable CAD objects
- Inversion and manipulation tools address common workflow challenges

**Geographic Integration:** Location and mapping features bring real-world context directly into CAD projects, supporting site planning, urban design, and infrastructure development with current, high-resolution geographic data.

**AEC Architecture Advancement:** Enhanced building design tools, including corner windows and advanced roof creation, align progeCAD with current architectural design trends while maintaining ease of use for professionals at all skill levels.

### Are these all New Features and Improvements?

No, these are the most important for the majority of our customers, that CADglobal has tested and created How-To Videos for. The complete progeCAD 2026 release includes many additional features and improvements that are more specialized or technical in nature. Some of the features are part of CADglobal's comprehensive [progeCAD Course: 2D and 3D Drawing Without Limits](#).

## Additional Features Not Covered in Tutorial:

### Technical/Developer Features:

- **API Improvements** - Enhanced LISP, .NET, IcARX, VBA support
- **System Variables** - 20+ new variables for advanced customization
- **Engine Updates** - New Intellicad 13.1 engine
- **Programming Commands** - MKSHAPE, MKLTYPE for custom development

### Specialized Professional Tools:

- **BIM Integration** - RVT to IFC conversion, IFC validation
- **Surface Modeling** - SURFNETWORK, SURFOFFSET, surface filleting
- **Terrain Management** - AUTOSEZ, AUTOCURVE, POINTTEXT, TEXTPOINT
- **Data Extraction** - Completely refactored for large datasets
- **3D Positioner** - Interactive dialog for precise 3D positioning

### Advanced Raster Tools:

- **AI Raster to Vector** - Advanced vectorization algorithms
- **Image Editing Suite** - 15+ specialized raster editing commands
- **Color Depth Management** - Switching between different bit depths
- **Distortion Correction** - Bias tool for aspect ratio fixes

### System & Interface:

- **Smart Regen** - Automatic regeneration for drawings <100k entities
- **Windows Power Management** - High-performance control integration
- **AutoCAD-style Options** - New OPTIONNEW dialog
- **Layout Management** - Enhanced tab controls and drag-drop

### Why CADglobal Focuses on Core Features:

1. **User Adoption** - 80% of users benefit from the featured improvements
2. **Training Priority** - Video tutorials for most-requested features
3. **Workflow Impact** - Selected features provide immediate productivity gains
4. **Learning Curve** - Core features are accessible to all skill levels

The complete feature list contains **100+ improvements**, while CADglobal's tutorial focuses on the **20 most impactful** features that deliver immediate value to everyday users.

## progeCAD Industry Impact

Developed by a European company, progeCAD has consistently stood out as The Best AutoCAD Alternative since 1999, offering AutoCAD look and feel at a fraction of the cost and with a Lifetime, Perpetual License. progeCAD 2026 continues to challenge the traditional CAD software market by delivering professional-grade capabilities at accessible pricing. The combination of performance improvements and feature innovations positions it as a viable alternative to expensive industry-standard solutions.

👉 The most affordable Professional CAD software.

🆓 30 days Free.

✅ No Credit Card required.

### Key Advantages:

- **Cost Effectiveness:** Professional features without premium pricing
- **Performance Parity:** Competitive speed and stability with industry leaders
- **Feature Innovation:** Cutting-edge tools that address real workflow challenges
- **Accessibility:** Intuitive interfaces that reduce learning curves

### Upgrade Recommendations

**Immediate Upgrade Benefits:** Users of previous progeCAD versions will experience immediate improvements in daily workflow efficiency, particularly when working with:

- Large, complex architectural models
- Image-intensive projects requiring processing and manipulation
- Geographic or location-based design work
- Modern architectural designs requiring advanced building elements

**Long-term Value:** The feature set in progeCAD 2026 positions users for future project requirements while maintaining compatibility with existing workflows and file formats.

progeCAD 2026 represents a mature, feature-rich CAD solution that delivers professional results while maintaining the affordability and accessibility that distinguishes it in the competitive CAD software market.

---

*This comprehensive training guide covers all major features and improvements in progeCAD 2026. For additional training resources, technical support, or advanced features consultation, contact [CADglobal](#) for professional assistance and continuing education opportunities.*

## 6. progeCAD Course: 2D and 3D Drawing Without Limits



**CAD** GLOBALE.U

# Join CADglobal AI Academy

 **Learn more about  
progeCAD Courses at:**

  
progeCAD





[CADGLOBAL AI Academy](#)

## 6.1 Get CADglobal Certificate and become CAD Specialist















Unlock the full potential of progeCAD with this comprehensive online course, designed for both beginners and advanced users. Whether you're new to CAD, AutoCAD user or progeCAD user, or looking to refine your skills, this structured training will guide you through everything—from fundamental drawing techniques to advanced workflows and automation. progeCAD seamlessly mirrors AutoCAD, both use DWG as their native format and are completely compatible with each other. Therefore, becoming CADglobal Certified CAD Specialist tells employers you are proficient both in AutoCAD and progeCAD.

★★★★★ [CADglobal Reviews](#)








### **Module 1 – Getting Started with progeCAD**

-  Short Introduction
-  What progeCAD Looks Like
-  Managing Models
-  Overview of Settings










## **Module 2 – Basic Drawing**

-  Drawing Lines
-  Drawing Rectangles
-  Drawing Circles and Arcs
-  Introduction to Ellipses & Basic Commands
-  Navigation and Zoom
-  ORTHO Drawing
-  OSNAP – What is Entity Snap?
-  Fillet and Chamfer Commands
-  Trim and Extend Commands
-  Array Command
-  Mirror Command
-  Stretch Command
-  AEC Module
-  Undo and Redo

## **Module 3 – Advanced Commands**

-  Layer Management and Organization
-  Working with Dimensions & Text Annotations
-  How to Use Hatch and Gradient
-  Everything About Blocks & How to Use Them
-  Print Settings: Page Setup Window
-  Using Dynamic Blocks in progeCAD
-  Exploring iCADLib Library

## **Module 4 – Workflow and References**

-  Introduction to Level 4
-  Preparing Drawings for Print (Layouts)
-  Using the Leader Line Command
-  Using External References (XREF)
-  Importing & Exporting Files
-  Working with Images
-  Selection Filtering in progeCAD
-  Everything You Need to Know About PDFs
-  Inserting and Editing Tables

Thank you for downloading our E-book! We hope you enjoyed it.

Connect with us:

 [CADglobal.EU](https://www.cadglobal.eu)

 [Newsletter](#)

 [LinkedIn](#)

 [YouTube](#)

 [WhatsApp](#)

 [Instagram](#)

 [Facebook](#)

Check our Video Tutorial [right here](#).

